Remarks

Applicants respectfully request reconsideration of this application. No claims have been amended. No claims have been canceled. Therefore, claims 1-33 are now presented for examination.

In the Final Office Action, claims 1-33 stand rejected under 35 U.S.C. 102 (b) as being anticipated by Jurkevich et al., U.S. Patent No. 5,164,938 ("Jurkevich"). Applicants submit that the present claims are patentable over Jurkevich.

Jurkevich discloses a method and system for transmitting information during call connections between a multiplicity of subscribers as components of traffic in an integrated services network (ISN). The information traffic consists of a multiplicity of media types according to the different subscribers including voice, video and data traffic component types. See Jurkevich at Abstract. A plurality of traffic component types in the form of portions of information streams to be transmitted from subscribers at an entry point of the ISN during respective call connections are assembled into each of a sequence of composite frames of variable size for transmission through the ISN (Abstract).

The traffic component types assembled into each of the composite frames are limited to those destined for subscribers at the same exit point of the ISN. Each composite frame is configured with the traffic component types assigned to respective separate groups of adjacent channels of predetermined bandwidth with each group limited to channels transporting traffic components of the same type and each channel in a group dedicated to a particular subscriber of the respective traffic component type for the duration of its respective call connection. Bandwidth in the composite frames is selectively sized for reallocation among the various traffic component types during periods of traffic congestion (Abstract).

Claim 1 recites:

A storage medium having stored therein a plurality of programming instructions executable by a processor, wherein when executed, the <u>programming instructions implement a multi-media call application that effectuate quality of service (QOS) guaranty</u> for a packet based multi-media call (CALL) through call associated individual media stream bandwidth control.

In the Office Action, the Examiner maintains that:

Jurkevich et al. discloses a system for transmitting information during a multimedia call connection between EFPS 41 and EFPS 43 in Fig. 3; wherein the system is for dynamically bandwidth for each traffic component types, such as video, voice and data. Thus it effectuates quality of service for the multimedia call because it allows maximum bandwidth sharing and allocation, as a percentage of total link capacity, without increasing the risks of call blocking and or unacceptable degradation of quality of service.

See Final Office action at page 2, paragraph 3.

Applicants submit that notwithstanding the Examiner's characterization of the Jurkevich reference, nowhere in Jurkevich is there disclosed <u>programming instructions that implement a multi-media call software application that effectuate quality of service guaranty</u>. Consequently, claim 1 is patentable over Jurkevich.

Claims 2-9 depend from claim 1 and include additional limitations. Therefore, claims 2-9 are also patentable over Jurkevich.

Claim 10 recites:
A storage medium having stored therein a plurality of programming instructions executable by a processor, wherein when executed, the <u>programming instructions implementing a bandwidth reservation service that requests a sub-net bandwidth manager (SBM) to allocate a portion of reserved bandwidth for a packet based multi-media call (CALL) to an individual media stream of the CALL</u>, providing the SBM with call level information to allow the SBM to associate the individual media stream of the CALL with the reserved bandwidth of the CALL, the SBM managing network bandwidth of a local area network (LAN) through which the CALL is conducted.

Applicants submit that nowhere in Jurkevich is there disclosed <u>programming</u>

<u>instructions that implement a bandwidth reservation service, nor a sub-net bandwidth</u>

<u>manager (SBM)</u>. Accordingly, claim 10 is patentable over Jurkevich. Since claims 11-

13 depend from claim 10 and include additional limitations, claims 11-13 are also

patentable over Jurkevich.

Claim 14 recites:
> A method comprising:
> (a) <u>a multi-media call application first reserving</u>
> <u>bandwidth for media streams of a packet based multi-</u>
> <u>media call (CALL) at a call level with a sub-net</u>
> <u>bandwidth manager (SBM) that manages network</u>
> <u>bandwidth of a local area network (LAN) through</u>
> <u>which the CALL is to be conducted</u>; and
> (b) the multi-media call application subsequently
> causing the SBM to allocate the reserved bandwidth for
> the CALL to individual media streams of the CALL,
> causing call level information to be provided to the
> SBM to enable the SBM to associate the individual
> media streams of the CALL with the reserved
> bandwidth of the CALL.

Thus, for the reasons stated above with respect to claims 1 and 10, claim 14 is

also patentable over Jurkevich. Because claims 15-19 depend from claim 14 and include

additional limitations, claims 15-19 are also patentable over Jurkevich.

Claim 20 recites:
> An apparatus comprising:
> <u>a storage medium having stored therein a plurality</u>
> <u>of programming instructions implementing a multi-</u>
> <u>media call application that effectuates quality of service</u>
> <u>(QOS) guaranty for a packet based multi-media call</u>
> <u>(CALL) using call associated individual media stream</u>
> <u>bandwidth control</u>; and
> a processor coupled to the storage medium that
> operates to execute the programming instructions.

Thus, for the reasons stated above with respect to claim 1, claim 20 is also

patentable over Jurkevich. Because claims 21-25 depend from claim 20 and include

additional limitations, claims 21-25 are also patentable over Jurkevich.

Claim 26 recites:
> a storage medium having stored therein a plurality
> of programming instructions implementing a bandwidth
> reservation service that requests a sub-net bandwidth
> manager (SBM) to allocate a portion of reserved
> bandwidth for a packet based multi-media call (CALL)
> to an individual media stream of the CALL, providing
> the SBM with call level information to allow the SBM
> to associate the individual media stream of the CALL
> with the reserved bandwidth of the CALL, the SBM
> managing network bandwidth of a local area network
> (LAN) through which the CALL is conducted; and
> a processor coupled to the storage medium that
> operates to execute the programming instructions.

Therefore, for the reasons stated above with respect to claim 10, claim 26 is also

patentable over Jurkevich. Since claims 27 and 28 depend from claim 26 and include

additional limitations, claims 27 and 28 are also patentable over Jurkevich.

Claim 29 recites:
> A network comprising:
> a first client computer;
> a medium coupled to the first client; and
> a second client computer, coupled to the medium,
> that effectuates quality of service (QOS) guaranty for a
> packet based multi-media call (CALL) to the first client
> computer through call associated individual media
> stream bandwidth control.

Applicants submit that nowhere in Jurkevich is there disclosed a client computer

that effectuates quality of service (QOS) guaranty. Thus, claim 29 is patentable over

Jurkevich. Because claims 30-32 depend from claim 29 and include additional

limitations, claims 30-32 are also patentable over Jurkevich.

Applicants respectfully submit that the rejections have been overcome, and that

the claims are in condition for allowance. Accordingly, applicants respectfully request

the rejections be withdrawn and the claims be allowed.

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case. Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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